

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY Hungary

REPORT NO.

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SUBJECT Tank Production at Diosgyor

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REFERENCES

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1. The "Toldi" type tank is being manufactured in two further developed subtypes: the "Toldi 3" and the "Nimrod". The forerunners of these types had already been used successfully during the last war. Production of this type of tank came to a standstill between 1945 and 1950. Since 1950 production has again been resumed. Both types have been modernized. The resumption of production was made easier by the fact that these tank types had previously been manufactured in Hungary and the plans, machinery and production experience were therefore already available.
2. In their final production stages, both tanks are finished at the DIMAVAG Engineering Works in Diosgyor. So far the monthly production has been only 5 tanks, type "Toldi," and 2 type "Nimrod." This low production figure is explained, mainly by the very high percentage of rejects and the great shortage of raw materials.
3. Owing to the small number of tanks produced none of them are exported. They are intended primarily for the AVH "Standby" detachments (Bereit-schaftstruppen).
4. The engines for the tanks were constructed in the Gyor Motor Works. Up to the end of the last war these tanks were equipped with German Bussing-NAG engines.
5. The caterpillar tracks and other components are made by the Ganz Railroad Car Works in Budapest.

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6. The assembly of the tanks takes place in Diosgyor with the aid of tank chassis manufactured by this works and armor plates supplied by the Rakosi Matyas Works in Budapest-Csepel.

7. The manufacture and mounting of the guns is also done by Diosgyor.

8. It is generally considered that the new type "Toldi 3" and the "Nimrod" are constructed much faster and better than the tanks of the same type used in the last war. The fuel consumption is also said to be less. Particular improvements have been made to the caterpillar drive.

9. The technical data of the two tanks shows no substantial differences between them. In describing the Nimrod tank, reference is therefore made mainly to the "Toldi 3", which is described below:

a. Tank, Type "Toldi 3".

- 1) The official name of this tank is "Toldi 3". It is a light type road and cross-country tank of 15 tons in weight.
- 2) Measurements are: 5-6 m. long, 2.30 - 2.50 m. wide and 2.20 m. high.
- 3) The engine has a capacity of 180 H.P. (continental rating).
- 4) The fuel used in these engines is gasoline. The average consumption is approximately 60 liters per 100 km. The tank has a fuel tank of 400 liter capacity.
- 5) The tank has a road speed of 50 km.p.h. and a cross country speed of 40 - 45 km.p.h.
- 6) The tank is armed with one antitank gun of approx. 40 mm. caliber, and 2 machine guns. One of the machine guns is mounted in front near the driver's seat. The other is in the turret.
- 7) The tank is manned as follows:
 - 1 commander, who combines the function of W/T operator.
 - 1 driver
 - 1 machine gunner for the MG at front
 - 1 machine gunner for the turret MG
 - 1 operator for the antitank gun.
- 8) The engine is accommodated in the rear of the tank. The engine drives the rear axle. The caterpillars run on 2 driving and 4 bogey wheels. The tank can travel forward and in reverse.
- 9) The turret follows the movement of the gun. The gun itself is revolved by mechanical transmission (Hungarian: mechanikusan atetellett).
- 10) The armorplates measure 35mm. at the front, and 22 mm. at the sides and rear.
- 11) The tank has two entrances, i.e. one from above and one from the side. At the rear are two openings for laying a smoke screen, should it be necessary to envelope the tank.
- 12) The tank is equipped with a transmitting and receiving set, type R-3. Inside the tank, communication is with the aid of throat (larynx) microphones.

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b. Tank, Type "Nimrod".

- 1) It is a light, open tank for road and cross-country travel. It weighs 12 tons.
- 2) The dimensions of the tank are: approximately 5 m. long, 2.30 m. wide and 3 m. high.
- 3) The engine is the same as for the "Toldi 3" type.
- 4) The average fuel consumption per 100 km. is 40-50 liters.
- 5) The speed of this tank is greater than that of "Toldi 3", i.e. over 60 km.p.h. on the road and approximately 50 km.p.h. cross-country.
- 6) In contrast to the "Toldi 3", the "Nimrod" has no turret, but is open at the top. An antiaircraft gun of approximately 40 mm. caliber is mounted on the top of the tank. As in the case of type "Toldi 3", the "Nimrod" also has two machine guns.
- 7) The manning of the "Nimrod" is the same as for the "Toldi 3". The other technical data is also the same as given under paragraph 9 a (above) for the "Toldi 3" type.
- 8) The armorplate is 35 mm. thick at the front, and 25 mm. thick at the sides and rear. The side plates of the upper part are 15 mm. thick.

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